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### **(54) METHOD FOR CULTURE-PRODUCING TAXOL**

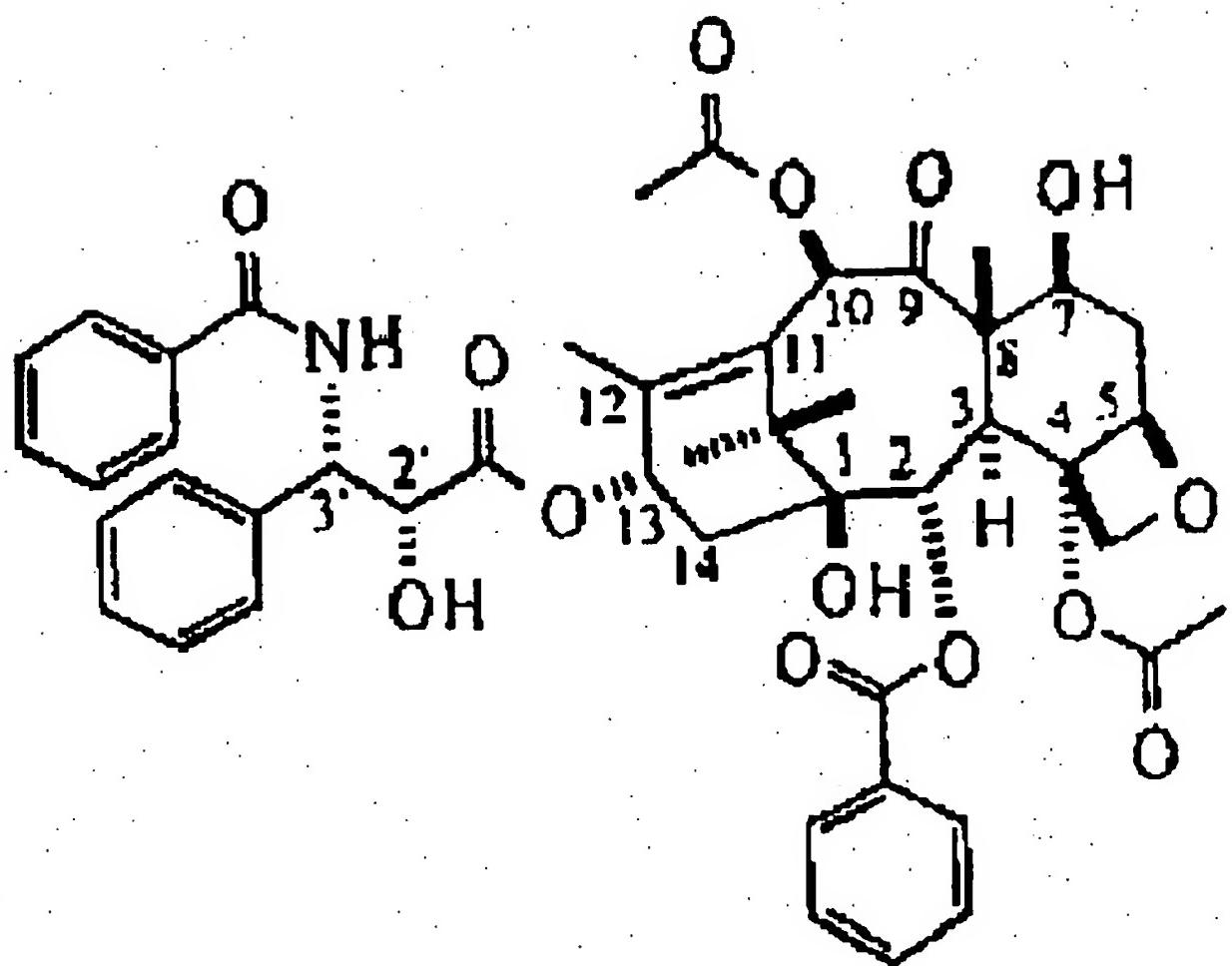
#### **(57) Abstract:**

**PURPOSE:** To massively obtain the taxol exhibiting excellent therapeutic effects for critical ovarian cancer or pulmonary cancer patients in a high yield by culturing a callus induced from a taxol-containing plant in the presence of a chito oligosaccharide.

**CONSTITUTION:** The method for producing the taxol comprises sterilizing the cut pieces of the stems or leaves of a taxol-containing plant (e.g. *Taxus*), planting the sterilized cut pieces in a culture medium containing 2,4-dichlorophenoxyacetic acid and kinetin, inducing the cut pieces into calluses in a dark place a 25°C, transplanting the calluses in a culture medium containing a chito oligosaccharide in an amount of 0.25-10mg per g of the fresh calluses, culturing the calluses for 15 days without subjecting to a subculture operation, lyophilizing the cultured calluses, extracting the lyophilized product with a solvent comprising

methanol:water (1:1, v/v) at room temperature, vacuum-concentrating the extraction solution, further extracting the extract with dichloromethane:water (1:1, v/v), and subsequently subjecting the dichloromethane-soluble fraction to a chromatography, thus obtaining the objective taxol useful as an anticancer substance in a large amount and in a high yield.

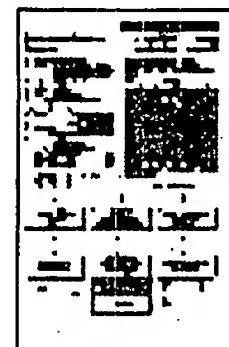
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KIDO MASAE;  
ITO KAZUKI;  
OKI TAE;  
AZUMA MASAHIRO;  
KUBOTA MINORU;**[View Image](#)[1 page](#) Assignee: **OSAKA ORGANIC CHEM IND LTD**[News, Profiles, Stocks and More about this company](#) Published / Filed: **March 19, 1996 / Sept. 5, 1994** Application Number: **JP1994000238359** IPC Code: **C12P 17/02; C12N 5/04; C12N 15/09; C12P 17/02;** Priority Number: **Sept. 5, 1994 JP1994000238359** Abstract:

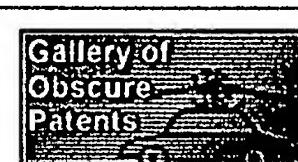
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 Family:

None

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